

CURVE DATA

$\Delta 4 = \Delta 1 + \Delta 2 + \Delta 3$
F/C R=60'(MIN.)
P/L R=60'(MIN.)+P

CURVE DATA

F/C R=50'(MIN.)
P/L R=50'(MIN.)-P

NOTE: CROWN LINE & POINTS REQUIRING ELEVATIONS, SHOWN IN TYPE II PLAN, ALSO PERTAIN TO TYPE I PLAN BELOW.

TYPE II

NO SCALE

CURVE DATA

F/C R=50'(MIN.)
P/L R=50'(MIN.)-P

CURVE DATA

$\Delta 1$ VARIABLE
C/L R=25'+R/W/2
F/C R=25'+P(MIN.)
P/L R=25'MIN.

NOTE: THIS KNUCKLE DETAIL IS REQUIRED WHERE THE STREET TERMINATES IN A CUL-DE-SAC WHERE SAID CUL-DE-SAC IS MORE THAN 400 FEET DISTANT. (MEASURED FROM C/L OF STREET TO CENTER OF CUL-DE-SAC.)

CURVE DATA

$\Delta 4 = \Delta 1 + \Delta 2 + \Delta 3$
F/C R=R/W+10'-P
P/L R=R/W+10'

CURVE DATA

F/C R=50'(MIN.)
P/L R=50'(MIN.)-P

LEGEND:

P=F/C TO P/L DISTANCE
C/L=CENTERLINE
F/C=FACE OF CURB
P/L=PROPERTY LINE
R/W=RIGHT OF WAY

TYPE I

NO SCALE

CURVE DATA

F/C R=50'(MIN.)
P/L R=50'(MIN.)-P

CURVE DATA

$\Delta 1$ VARIABLE
C/L R=25'+R/W/2
F/C R=25'+P(MIN.)
P/L R=25'(MIN.)

NOTE: THIS KNUCKLE DETAIL IS REQUIRED WHERE THE STREET PATTERN FORMS A CONTINUOUS LOOP, OR WHERE SAID STREET TERMINATES IN A CUL-DE-SAC LESS THAN 400 FEET FROM KNUCKLE. (MEASURED FROM C/L OF STREET TO CENTER OF CUL-DE-SAC.)

GENERAL NOTES:

1. USE NORMAL SECTION FROM INNER CURB TO C/L.
2. FROM CROWN LINE TO OUTER CURB, THE MAXIMUM SLOPE IS 1/2" PER FOOT.
3. SUPERELEVATION PERCENTAGES SHOWN ARE STRAIGHT FROM C/L TO CROWN.
4. \circ = INDICATES ELEVATIONS REQUIRED.
5. WHEN STREETS HAVE TILT-TYPE SECTION, THE CROWN WILL NOT NECESSARILY TERMINATE ON C/L AT ANGLE POINT OF CURB.
6. A SPECIFIC DEPARTURE FROM THIS PLAN MAY BE OBTAINED BY SPECIAL PERMISSION.
7. OFFSET CROWN DESIGN IS TYPICAL FOR BOTH TYPES OF KNUCKLES SHOWN.

Revised: Original approval date: 10-27-67

11-5-01 CM Redrawn By: ARR Date: 7-26-95

Clifford Swanson

CITY ENGINEER Date: 11-7-02

CITY OF CHULA VISTA
PUBLIC WORKS DEPARTMENT

KNUCKLES
TYPES I AND II

CVD-
ST05